



STATEWIDE WASTEWATER OPERATOR TRAINING CENTER
WATER RESOURCES RESEARCH CENTER, UNIVERSITY OF HAWAII
HONOLULU, HAWAII



TRAINING SESSION ANNOUNCEMENT
320 MEMBRANE BIOREACTORS (ADVANCED)

County: County of Hawaii - Hilo
Location: Hilo WWTP
150 Kekuanaoa, Hilo Hawaii
Dates: **May 17, 18 and 19, 2017**
Times: 8:00 a.m. – 11:00 a.m.
Lunch (11:00 a.m. – 12:00 p.m.)
12:00 p.m. – 3:00 p.m.
Audience: Operators and Maintenance Personnel
Educational Point: 2.0 CEU
Instructor: Ron Hay
Prerequisite: *Course #210 or Vol I of Ken Kerri's course*

COURSE DESCRIPTION

This 2 day course covers operation and control of membrane bioreactor activated sludge systems (MBRs) and includes site visit to a working MBR. The course will cover describe theory and mechanisms, show designs and design parameters, give expected performance removals, work sample calculations, describe system start-up, operation, maintenance, and troubleshooting. The course will include discussion about how processes work and relative advantages/disadvantages of different systems, and observation of all the components of an operating MBR treatment system. The class will include fine screens, anoxic tanks, aeration tanks, membrane units, pumping and aeration systems, PLCs and user interface along with emphasis on process inputs, start-up, normal operations, process upsets and troubleshooting, maintenance cleaning and recovery cleaning of membranes.

REGISTRATION

- County Wastewater Treatment Plant Personnel: **TUITION: Free**
Please submit an application form to your supervisor for approval and then fax/email to the Statewide Wastewater Training Center.
- All Other Non-Municipal and Non-Wastewater Employees: **TUITION: \$110**
Please mail application form and tuition directly to the Statewide Wastewater Training Center. Check payable to: RCUH.

Mail to: Statewide Wastewater Operator Training Center
University of Hawaii, water Resources Research Center
2540 Dole Street, Holmes Hall 283
Honolulu, Hawaii 96822

Fax: 808-956-5014 Email: uhwwtrainingcenter@gmail.com

Deadline: May 15, 2017

EQUAL OPPORTUNITY

Any disabled person requiring special needs will be accommodated. Any disabled person requiring special assistance should contact the Administrator at 956-7298 or uhwwtrainingcenter@gmail.com.